

*DFW*

Attorney Docket No. M2010-7128

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David P. Prince  
Serial No.: 10/784,118  
Filed: February 20, 2004  
For: SYSTEMS AND METHODS FOR DETECTING DEFECTS  
IN PRINTED SOLDER PASTE  
Examiner: Not Yet Assigned  
Art Unit: 2621  
Confirmation No.: 5274

**CERTIFICATE OF MAILING UNDER 37 CFR §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 17th day of September, 2004.

*Keith F. Noe*  
Keith F. Noe, Esq. (Reg. No. 34,686)

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

**PART II: Information Cited**

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Applicant: David P. Prince  
U.S.S.N.: 10/784,118

**PART III: Remarks**

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

Applicant: David P. Prince  
U.S.S.N.: 10/784,118

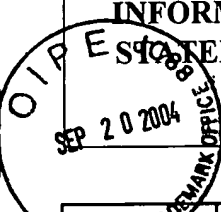
An early and favorable action is hereby requested.

Respectfully submitted,

By: Keith F. Noe  
Keith F. Noe, Esq. (Reg. No. 34,686)  
LOWRIE, LANDO & ANASTASI, LLP  
Riverfront Office Park  
One Main Street  
Cambridge, MA 02142  
Tel.: (617) 395-7039  
Fax: (617) 395-7070  
Attorney for Applicant

Dated: September 17, 2004  
Attorney Docket No.: M2010-7128

FORM PTO-1449/A and B (Modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	APPLICATION NO.: 10/784,118	ATTY. DOCKET NO.: M2010-7128
	FILING DATE: February 20, 2004	CONFIRMATION NO.: 5274
	APPLICANT: David P. Prince	
	GROUP ART UNIT: 2621	EXAMINER: Not Yet Assigned



U.S. PATENT DOCUMENTS					
Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	*Re. 34,615		Freeman	05/24/1994
	A2	*5,060,063		Freeman	10/22/1991
	A3	*5,172,420		Ray et al.	12/15/1992
	A4	*5,455,870		Sepai et al.	10/03/1995
	A5	*5,801,965		Takagi et al.	09/01/1998
	A6	*5,873,939		Doyle et al.	02/23/1999
	A7	*6,324,973	B2	Rossmesl et al.	12/04/2001
	A8	*6,362,877	B1	Kobayashi et al.	03/26/2002
	A9	*6,738,505	B1	Prince	05/18/2004

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	B1	*GB	2 286 670	A	Jenoptik Technologie GmbH	08/23/1995	Y
	B2	*WO	95/16247		The Royal Holloway and Bedford New College	06/15/1995	Y
	B3	*WO	98/37741		MPM Corporation	08/27/1998	Y

OTHER ART — NON PATENT LITERATURE DOCUMENTS					Translation (Y/N)	
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.				
	C1	*Ritter et al., "Handbook of Computer Vision Algorithms in Image Algebra," CRC Press, Inc., Boca Raton, FL (1996), Ch. 2, 3, 4 and 5 (pp. 51-172).				Y
	C2	*Russ, John C., "The Image Processing Handbook," 2 <sup>nd</sup> Edition, CRC Press, Inc., Boca Raton, FL (1995), pp. 155-160, 211-237, 259-262, 361-371, 416-431, 481-545.				Y
	C3	*Cognex Press Release, "Cognex Introduces New Machine Vision System for Detecting Screen Printing Defects on Printed Circuit Boards," (2 pgs.); <a href="http://www.cognex.com/press/release/products/pasteinspect.htm">http://www.cognex.com/press/release/products/pasteinspect.htm</a> .				Y
	C4	*International Search Report for PCT/US00/12121 mailed September 1, 2000.				Y
	C5	Brochure, DEK Printing Machines Ltd., "DEK 265GSx Engineering Specification," Issue 01, 10 January 1996, pp. 2-39.				Y
	C6	DEK, "2D Inspection Manual," Issue 2, June 1996, pp. 3-38.				Y
EXAMINER					DATE CONSIDERED	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/734,395, filed 12/12/2003, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



Attorney Docket No. M2010-7128

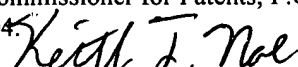
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David P. Prince  
Serial No.: 10/784,118  
Filed: February 20, 2004  
For: SYSTEMS AND METHODS FOR DETECTING DEFECTS IN  
PRINTED SOLDER PASTE  
Examiner: Not Yet Assigned  
Art Unit: 2621  
Confirmation No.: 5274

---

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 17th day of September, 2004.

  
Keith F. Noe, Esq. (Reg. No. 34,686)

---

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL**

Sir:

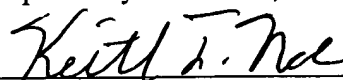
Transmitted herewith are the following documents in connection with the above-identified patent application:

- [X] Information Disclosure Statement (3 pgs.);
- [X] PTO Form 1449 (in duplicate - 1 pg.);
- [X] References Cited (C5-C6); and
- [X] Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 395-7000.

The Commissioner is hereby authorized to charge any deficiencies or overpayment to Deposit Account No. 50/2762, Ref. No. M2010-7128. A duplicate copy of this transmittal is enclosed.

Respectfully submitted,

  
Keith F. Noe, Esq. (Reg. No. 34,686)  
LOWRIE, LANDO & ANASTASI, LLP  
Riverfront Office Park  
One Main Street  
Cambridge, MA 02142  
Tel.: (617) 395-7039  
Fax: (617) 395-7070  
Attorney for Applicant

Dated: September 17, 2004  
749792.1